

Impact of interpixel capacitance in CMOS based detectors

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Fringe fields everywhere!

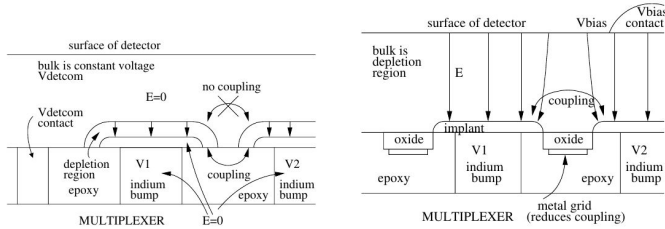


Figure from Moore++ 2004

A simple model:

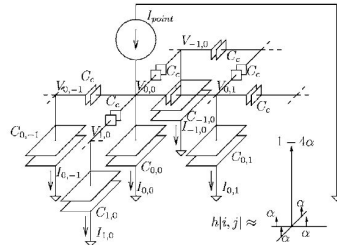
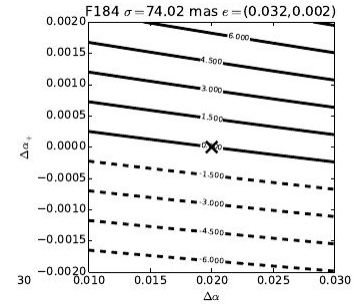
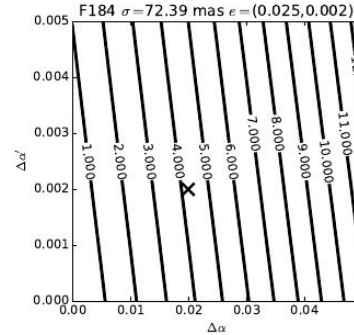


Figure from Moore++ 2006

IPC can change shape and sizes of PSFs and galaxies.



[arXiv:1512.01570](https://arxiv.org/abs/1512.01570)

IPC introduces correlations in noise.